

12/03/01
j1054 U.S. PTO

12-07-01

PTO/SB/05 (08-00)

Approved for use through 10/31/2002. OMB 0651-0032

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A Box
Sly

UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

| | |
|------------------------|--|
| Attorney Docket No. | EWG-155 |
| First Inventor | Wyschogrod |
| Title | High Speed Data Stream Pattern Recognition |
| Express Mail Label No. | ET 616 069 841 US |

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)

2. Applicant claims small entity status.
See 37 CFR 1.27.

3. Specification [Total Pages 50]
(preferred arrangement set forth below)
 - Descriptive title of the invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure

4. Drawing(s) (35 U.S.C. 113) [Total Sheets 8]

5. Oath or Declaration [Total Pages 1]

- a. Newly executed (original or copy)
Copy from a prior application (37 CFR 1.63 (d))
(for continuation/divisional with Box 17 completed)

i. **DELETION OF INVENTOR(S)**

Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).

6. Application Data Sheet. See 37 CFR 1.76

7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)

8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)

- a. Computer Readable Form (CRF)

- b. Specification Sequence Listing on:

- i. CD-ROM or CD-R (2 copies); or

- ii. paper

- c. Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. Assignment Papers (cover sheet & document(s))

10. 37 CFR 3.73(b) Statement (when there is an assignee) Power of Attorney

11. English Translation Document (if applicable)

12. Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS Citations

13. Preliminary Amendment

14. Return Receipt Postcard (MPEP 503) (Should be specifically itemized)

15. Certified Copy of Priority Document(s) (if foreign priority is claimed)

16. Other: Letter of transmittal

17. If a CONTINUATING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

Continuation Divisional Continuation-in-part (CIP)

of prior application No.: _____ / _____

Prior application information:

Examiner _____

Group / Art Unit: _____

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

18. CORRESPONDENCE ADDRESS

Customer Number or Bar Code Label



23396

or

Correspondence address below

| | | | | | |
|---------|---------------------|-----------|--------------|----------|-------|
| Name | Elmer Galbi | | | | |
| Address | 13314 Vermeer Drive | | | | |
| City | Lake Oswego | State | OR | Zip Code | 97035 |
| Country | US | Telephone | 503-697-7844 | | Fax |

Name (Print/Type)

Elmer Galbi

Registration No. (Attorney/Agent)

19761

Signature

Date Dec 3, 2001

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

12/03/01
j1040 U.S. PRO
10/005462

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FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$ 593.00)

Complete if Known

| | |
|----------------------|------------|
| Application Number | |
| Filing Date | |
| First Named Inventor | Wyscigrod |
| Examiner Name | |
| Group Art Unit | |
| Attorney Docket No. | EWG-155 US |

METHOD OF PAYMENT

1. The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number **500433**

Deposit Account Name **Elmer Galbi**

- Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17
- Applicant claims small entity status. See 37 CFR 1.27

2. Payment Enclosed:

Check Credit card Money Order Other

FEE CALCULATION

1. BASIC FILING FEE

| | |
|---------------|---------------|
| Large Entity | Small Entity |
| Fee Code (\$) | Fee Code (\$) |

| | | | |
|-----------|-----------|-----|-----------------|
| 101 | 710 | 201 | 355 |
| Fee | Fee | Fee | Fee Description |
| Code (\$) | Code (\$) | | |

Utility filing fee

370.00

| | | | |
|-----------|-----------|-----|-----------------|
| 106 | 320 | 206 | 160 |
| Fee | Fee | Fee | Fee Description |
| Code (\$) | Code (\$) | | |

Design filing fee

| | | | |
|-----------|-----------|-----|-----------------|
| 107 | 490 | 207 | 245 |
| Fee | Fee | Fee | Fee Description |
| Code (\$) | Code (\$) | | |

Plant filing fee

| | | | |
|-----------|-----------|-----|-----------------|
| 108 | 710 | 208 | 355 |
| Fee | Fee | Fee | Fee Description |
| Code (\$) | Code (\$) | | |

Reissue filing fee

| | | | |
|-----------|-----------|-----|-----------------|
| 114 | 150 | 214 | 75 |
| Fee | Fee | Fee | Fee Description |
| Code (\$) | Code (\$) | | |

Provisional filing fee

SUBTOTAL (1) (\$ 370.00)

2. EXTRA CLAIM FEES

| Total Claims | 31 | -20** = | 11 | X | 9 | = | 99 | Fee from below | Fee Paid |
|--------------------|----|---------|----|---|----|---|----|----------------|----------|
| Independent Claims | 5 | - 3** = | 2 | X | 42 | = | 84 | | |
| Multiple Dependent | | | | | | | | | |

| | |
|---------------|---------------|
| Large Entity | Small Entity |
| Fee Code (\$) | Fee Code (\$) |

| | | | |
|-----------|-----------|-----|-----------------|
| 103 | 18 | 203 | 9 |
| Fee | Fee | Fee | Fee Description |
| Code (\$) | Code (\$) | | |

Claims in excess of 20

| | | | |
|-----------|-----------|-----|-----------------|
| 102 | 80 | 202 | 40 |
| Fee | Fee | Fee | Fee Description |
| Code (\$) | Code (\$) | | |

Independent claims in excess of 3

| | | | |
|-----------|-----------|-----|-----------------|
| 104 | 270 | 204 | 135 |
| Fee | Fee | Fee | Fee Description |
| Code (\$) | Code (\$) | | |

Multiple dependent claim, if not paid

| | | | |
|-----------|-----------|-----|-----------------|
| 109 | 80 | 209 | 40 |
| Fee | Fee | Fee | Fee Description |
| Code (\$) | Code (\$) | | |

** Reissue independent claims over original patent

| | | | |
|-----------|-----------|-----|-----------------|
| 110 | 18 | 210 | 9 |
| Fee | Fee | Fee | Fee Description |
| Code (\$) | Code (\$) | | |

** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$ 183.00)

*or number previously paid, if greater; For Reissues, see above

3. ADDITIONAL FEES

| | |
|---------------|---------------|
| Large Entity | Small Entity |
| Fee Code (\$) | Fee Code (\$) |

| | | | |
|-----------|-----------|-----|-----------------|
| 105 | 130 | 205 | 65 |
| Fee | Fee | Fee | Fee Description |
| Code (\$) | Code (\$) | | |

Surcharge - late filing fee or oath

| | | | |
|-----------|-----------|-----|-----------------|
| 127 | 50 | 227 | 25 |
| Fee | Fee | Fee | Fee Description |
| Code (\$) | Code (\$) | | |

Surcharge - late provisional filing fee or cover sheet

| | | | |
|-----------|-----------|-----|-----------------|
| 139 | 130 | 139 | 130 |
| Fee | Fee | Fee | Fee Description |
| Code (\$) | Code (\$) | | |

Non-English specification

| | | | |
|-----------|-----------|-----|-----------------|
| 147 | 2,520 | 147 | 2,520 |
| Fee | Fee | Fee | Fee Description |
| Code (\$) | Code (\$) | | |

For filing a request for ex parte reexamination

| | | | |
|-----------|-----------|-----|-----------------|
| 112 | 920* | 112 | 920* |
| Fee | Fee | Fee | Fee Description |
| Code (\$) | Code (\$) | | |

Requesting publication of SIR prior to Examiner action

| | | | |
|-----------|-----------|-----|-----------------|
| 113 | 1,840* | 113 | 1,840* |
| Fee | Fee | Fee | Fee Description |
| Code (\$) | Code (\$) | | |

Requesting publication of SIR after Examiner action

| | | | |
|-----------|-----------|-----|-----------------|
| 115 | 110 | 215 | 55 |
| Fee | Fee | Fee | Fee Description |
| Code (\$) | Code (\$) | | |

Extension for reply within first month

| | | | |
|-----------|-----------|-----|-----------------|
| 116 | 390 | 216 | 195 |
| Fee | Fee | Fee | Fee Description |
| Code (\$) | Code (\$) | | |

Extension for reply within second month

| | | | |
|-----------|-----------|-----|-----------------|
| 117 | 890 | 217 | 445 |
| Fee | Fee | Fee | Fee Description |
| Code (\$) | Code (\$) | | |

Extension for reply within third month

| | | | |
|-----------|-----------|-----|-----------------|
| 118 | 1,390 | 218 | 695 |
| Fee | Fee | Fee | Fee Description |
| Code (\$) | Code (\$) | | |

Extension for reply within fourth month

| | | | |
|-----------|-----------|-----|-----------------|
| 128 | 1,890 | 228 | 945 |
| Fee | Fee | Fee | Fee Description |
| Code (\$) | Code (\$) | | |

Extension for reply within fifth month

| | | | |
|-----------|-----------|-----|-----------------|
| 119 | 310 | 219 | 155 |
| Fee | Fee | Fee | Fee Description |
| Code (\$) | Code (\$) | | |

Notice of Appeal

| | | | |
|-----------|-----------|-----|-----------------|
| 120 | 310 | 220 | 155 |
| Fee | Fee | Fee | Fee Description |
| Code (\$) | Code (\$) | | |

Filing a brief in support of an appeal

| | | | |
|-----------|-----------|-----|-----------------|
| 121 | 270 | 221 | 135 |
| Fee | Fee | Fee | Fee Description |
| Code (\$) | Code (\$) | | |

Request for oral hearing

| | | | |
|-----------|-----------|-----|-----------------|
| 138 | 1,510 | 138 | 1,510 |
| Fee | Fee | Fee | Fee Description |
| Code (\$) | Code (\$) | | |

Petition to institute a public use proceeding

| | | | |
|-----------|-----------|-----|-----------------|
| 140 | 110 | 240 | 55 |
| Fee | Fee | Fee | Fee Description |
| Code (\$) | Code (\$) | | |

Petition to revive - unavoidable

| | | | |
|-----------|-----------|-----|-----------------|
| 141 | 1,240 | 241 | 620 |
| Fee | Fee | Fee | Fee Description |
| Code (\$) | Code (\$) | | |

Petition to revive - unintentional

| | | | |
|-----------|-----------|-----|-----------------|
| 142 | 1,240 | 242 | 620 |
| Fee | Fee | Fee | Fee Description |
| Code (\$) | Code (\$) | | |

Utility issue fee (or reissue)

| | | | |
|-----------|-----------|-----|-----------------|
| 143 | 440 | 243 | 220 |
| Fee | Fee | Fee | Fee Description |
| Code (\$) | Code (\$) | | |

Design issue fee

| | | | |
|-----------|-----------|-----|-----------------|
| 144 | 600 | 244 | 300 |
| Fee | Fee | Fee | Fee Description |
| Code (\$) | Code (\$) | | |

Plant issue fee

| | | | |
|-----------|-----------|-----|-----------------|
| 122 | 130 | 122 | 130 |
| Fee | Fee | Fee | Fee Description |
| Code (\$) | Code (\$) | | |

Petitions to the Commissioner

| | | | |
|-----------|-----------|-----|-----------------|
| 123 | 50 | 123 | 50 |
| Fee | Fee | Fee | Fee Description |
| Code (\$) | Code (\$) | | |

Petitions related to provisional applications

| | | | |
|-----------|-----------|-----|-----------------|
| 126 | 240 | 126 | 240 |
| Fee | Fee | Fee | Fee Description |
| Code (\$) | Code (\$) | | |

Submission of Information Disclosure Stmt

| | | | |
|-----------|-----------|-----|-----------------|
| 581 | 40 | 581 | 40 |
| Fee | Fee | Fee | Fee Description |
| Code (\$) | Code (\$) | | |

Recording each patent assignment per property (times number of properties)

| | | | |
|-----------|-----------|-----|-----------------|
| 146 | 710 | 246 | 355 |
| Fee | Fee | Fee | Fee Description |
| Code (\$) | Code (\$) | | |

Filing a submission after final rejection (37 CFR § 1.129(a))

| | | | |
|-----------|-----------|-----|-----------------|
| 149 | 710 | 249 | 355 |
| Fee | Fee | Fee | Fee Description |
| Code (\$) | Code (\$) | | |

For each additional invention to be examined (37 CFR § 1.129(b))

| | | | |
|-----------|-----------|-----|-----------------|
| 179 | 710 | 279 | 355 |
| Fee | Fee | Fee | Fee Description |
| Code (\$) | Code (\$) | | |

Request for Continued Examination (RCE)

| | | | |
|-----------|-----------|-----|-----------------|
| 169 | 900 | 169 | 900 |
| Fee | Fee | Fee | Fee Description |
| Code (\$) | Code (\$) | | |

Request for expedited examination of a design application

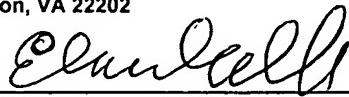
Other fee (specify) **Reduced by Basic Filing Fee Paid**

EXPRESS MAIL LABEL NO. ET 616 069 841 US

Date of Deposit: Dec 3, 2001

I hereby certify that this is being deposited with the United States Postal Service "Express Mail, Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to Box PATENT APPLICATION, Asst. Commissioner for Patents, US Patent and Trademark Office, P.O. Box 2327, Arlington, VA 22202

By:



Elmer Galbi, Reg. No. 19,761
13314 Vermeer Drive
Lake Oswego, OR, 97035
Telephone 503-697-7844

Commissioner of Patents and Trademarks
Washington, D.C. 20231

Dear Sir:

Transmitted herewith for filing is the following new patent application:

Inventors: Daniel Wyschogrod, Alain Arnaud,
David Eric Berman Lees, and Leonid Leibman

Title: High Speed Data Stream Pattern Recognition

Attorney Docket Reference: EWG-155 US

Enclosed are:

- 1) A specification of the invention including eight sheets of drawings and a CD appendix with a letter of transmittal for the CD appendix.
- 2) An application data sheet.
- 3) A signed Declaration by the Inventors.
- 4) A signed Assignment of the invention including a cover sheet.
- 5) A return addressed postcard for filing notification.
- 6) A fee transmittal form.
- 7) A check for \$593.00 (Raqia # 3707) is enclosed to cover the filing fee.

Please charge any deficiency in the enclosed fee (or credit any overpayment) to Deposit account 500,433 which is in the name of Elmer Galbi.

Please direct all correspondence to:

Elmer Galbi, Esq.
13314 Vermeer Drive
Lake Oswego, OR 97035
Phone 503-697-7844

Respectfully submitted,



Elmer W. Galbi, Reg. No. 19,761
13314 Vermeer Drive
Lake Oswego, OR 97035

Direct phone calls to: (503) 697-7844

Transmittal Letter for CD Appendix

Submitted with new patent application

Inventors: Daniel Wyschogrod, Alain Arnaud,
- David Eric Berman Lees, and Leonid Leibman

Title: High Speed Data Stream Pattern Recognition

Attorney Docket Reference: EWG-155 US

Machine Format of Compact Disc: IBM-PC

Operating System: MS Windows

Two copies of the compact disc are submitted herewith. The two copies are identical

The discs each contain the following files:

| File Name | File Size | Creation Date |
|------------------|-----------|---------------|
| _hwct_0.txt .txt | 40,960 | 11/21/2001 |
| _hwct_1.txt .txt | 40,960 | 11/21/2001 |
| _hwct_2.txt .txt | 40,960 | 11/21/2001 |
| _hwct_3.txt .txt | 40,960 | 11/21/2001 |
| _it.txt .txt | 544 | 11/21/2001 |
| _nst.txt .txt | | 81,920 |
| 12/02/2001 | | |

Volume in drive D:\ is EWG_155
Directory of D:\

| | | |
|-------------|-------|----------|
| _hwct_0.txt | 41 KB | 11/21/01 |
| _hwct_1.txt | 41 KB | 11/21/01 |
| _hwct_2.txt | 41 KB | 11/21/01 |
| _hwct_3.txt | 41 KB | 11/21/01 |
| _it.txt | 1 KB | 11/21/01 |
| _nst.txt | 81 KB | 12/2/01 |

6 file(s)
Total filesize 241 KB
0 kilobytes free